



Type Test Report				Date of issue: 2013.03.12																								
				Serial No.: 3GH120108T7502																								
Customer:				Type: M3GP 080 MB 2 Product Code: 3GGP081322-_SB Protection Type: Ex nA IIC T3 Cert. No.: VTT 12 ATEX 050X / IECEX VTT 12.0010X																								
Customer ref.:																												
Rating:		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>230</td> <td>D</td> <td>50</td> <td>0,75</td> <td>2895</td> <td>3,10</td> <td>0,74 S1</td> </tr> <tr> <td>400</td> <td>Y</td> <td>50</td> <td>0,75</td> <td>2895</td> <td>1,81</td> <td>0,74 S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D	50	0,75	2895	3,10	0,74 S1	400	Y	50	0,75	2895	1,81	0,74 S1
V	Hz	kW	r/min	A	cos φ	Duty																						
230	D	50	0,75	2895	3,10	0,74 S1																						
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3~Motor																												
Insul.cl.F																												
IP55																												
Eff class IE2		50Hz : IE2 - 80,6(100%) - 79,9(75%) - 76,2(50%)																										
Resistance				Insulation resistance at 18,5 °C		Overload																						
Line Ambient: 8,4 °C				R > 2000 Mohm 1000 V		Current 150 % 120s																						
U ₁ - V ₁ 12,36000 Ω						Torque 160 % 15s																						
U ₁ - W ₁ 12,36000 Ω						Speed 120 % 120s																						
V ₁ - W ₁ 12,35000 Ω																												
				High-voltage test winding 2400 V		60 s																						
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]																			
No load test		400 Y	50	1,25	0,11		3000	0,13																				
Locked rotor test		58 Y	50	1,80	0,13		0	0,72																				
Thermal test (100% load)	2,5	400 Y	50	1,80	0,94	0,75	2904	0,75	79,90																			
Partial load points:																												
~75% load	1,8	400 Y	50	1,55	0,71	0,56	2930	0,66	78,80																			
~50% load	1,2	400 Y	50	1,38	0,50	0,38	2955	0,52	74,70																			
~25% load	0,6	400 Y	50	1,35	0,31	0,19	2978	0,33	60,90																			
Temperature rise at rated load.				°C	K	Method	Measurement method																					
Stator winding :				27,7	3	1 Resistance																						
Frame :				11,6	3	2 Thermometer																						
Bearing D-end :				15,6	3	3 Thermocouples																						
Ambient Temperature :				25	3																							
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																												
On behalf of customer																												
On behalf of manufacturer		Date of test		30.1.2012																								
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain						Telephone +34 93 728 85 00		Telefax +34 93 728 85 33																				

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